

## Memorandum

March 25, 2019

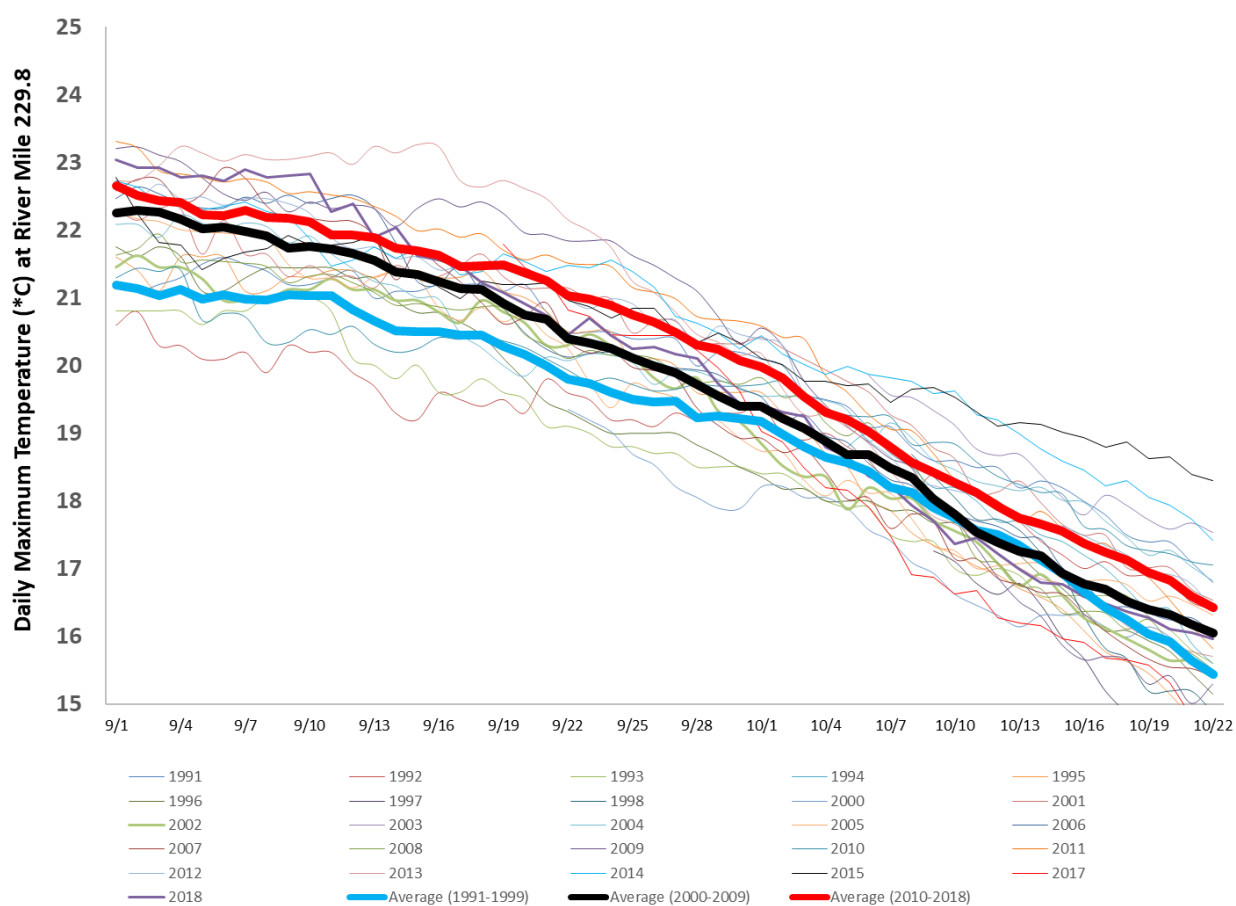
To: Rochelle Labiosa, R10EPA

From: Peter Leinenbach, R10EPA

**Subject:** Seasonal Summary Fall Temperature Statistics for the Snake River within the Hells Canyon Reach

Water temperature data was obtained from Idaho Power. Temperature data collected at River Mile 229.8 was used in the analysis (Lat - 45.462162, Long - -116.556731). **Figure 1** illustrates the Daily Maximum temperatures observed during from September 1<sup>st</sup> through October 22<sup>nd</sup> during the 1991 through 2008 period. The data indicates that daily maximum temperatures have generally trended higher over time at this site. **Table 1** presents the calculated average daily maximum Snake River temperatures during the fall period observed at the River Mile 229.8 monitoring station during this decade. The average daily temperature reduction at this site for both the October 9<sup>th</sup> through October 22<sup>nd</sup> and the October 9<sup>th</sup> through November 6<sup>th</sup> periods was 0.2°C.

**Figure 1.** Daily Maximum Water Temperatures in the Snake River from 1991 through 2018.



**Table 1.** Calculated Average Daily Maximum Snake River Temperatures During the Fall Period Observed at the River Mile 229.8 Monitoring Station During this Decade

Year	Assessment Period	
	September 1st through October 22nd	October 9th through October 22nd
2010	19.5	17.9
2011	20.4	17.4
2012	20.1	17.5
2013	20.4	16.7
2014	20.6	18.6
2015	20.5	19.0
2016	No Data	No Data
2017	Incomplete Data	15.9
2018	19.8	16.7